

Five-Year Road Map 2020-2024 ADOPTED May 20, 2020

The mission of the CCRN is to implement a regional network of land and water management projects that result in a healthy watershed, flowing San Pedro River, conservation of water resources, and a vibrant local economy.

Goal 1: Groundwater Recharge. Ensure continued operation of all network sites and begin implementation of three new recharge projects using local water supplies to sustain groundwater levels that preserve flows and habitats of the San Pedro River.

Objective 1.1 Design and/or construct three additional recharge infrastructure projects: Coyote Wash, Riverstone Recharge and Bisbee Effluent.

- 1.1.1. **Develop plans for fundraising, design, engineering and construction** of these three projects, including proposed timelines.
- 1.1.2. **Develop cost estimates and budgets**-including operations and maintenance and capital construction costs for these three recharge projects
- 1.1.3. **Identify and engage funding partners** to meet the funding needs and leverage resources for the three proposed projects including federal, state, and local agencies and private sources such as foundations, donors, impact investing, or other sustainable finance options.
- 1.1.4. **Acquire additional land and/or ROW** easements necessary for the three projects.
- 1.1.5. **Begin design, engineering, and/or construction of** conveyance and recharge infrastructure for all three projects.
- 1.1.6. **Provide outreach and information to key partners and the public** regarding the design and construction of these three additional recharge projects to ensure adequate funding and support.

Objective 1.2 Continue the operation, maintenance, and hydrologic monitoring of all existing network sites, to quantify and continuously improve the design and effectiveness of projects, and to address legal and regulatory compliance.

- 1.2.1. **Ensure adequate operation and maintenance** of all three existing CCRN recharge infrastructure projects, by securing required resources and funding.
- 1.2.2. **Manage all CCRN sites** along the San Pedro and Babocomari Rivers to meet project objectives.
- 1.2.3. **Collect hydrologic monitoring data** at all CCRN sites, as defined by the CCRN Hydrologic Monitoring Program objectives, and prepare annual hydrologic monitoring reports for each project and distribute the results to the public and partners.
- 1.2.4. **Provide outreach and information to key partners and the public** regarding the ongoing operations of existing network sites to ensure adequate funding and support.

Goal 2: Water Conservation. Protect local sources of water while supporting the local economy.

Objective 2.1 Implement conservation and watershed health projects that are most effective at maintaining groundwater levels to support flow in the San Pedro River.

- 2.1.1. Identify the potential for additional near stream water conservation and/or watershed health projects for implementation to support river flows.
- 2.1.2. Calculate annual water savings by project to evaluate the impact of CCRN water conservation and/or watershed health projects on San Pedro River flows.

Objective 2.2 Implement projects that maintain groundwater levels in the regional aquifer.

- 2.2.1. Identify the potential for additional conservation and/or watershed health projects for implementation to support the regional aquifer.
- 2.2.2. Calculate annual water savings by project to evaluate the impact of CCRN water conservation and/or watershed health projects on the regional aquifer

Objective 2.3 Continue to use the groundwater model and other tools to evaluate the combined effects of recharge, water conservation, and watershed health projects to maximize the effectiveness of CCRN efforts.

- 2.3.1. Update water demand and pumping projections in the groundwater model based on actual trends.
- 2.3.2. Continually evaluate the combined benefits of existing and proposed projects and modify strategies if necessary, to achieve desired outcomes.
- 2.3.3. Evaluate the need and the opportunity for additional land acquisition to retire or preclude pumping to complement the network of existing sites.